



**US Army Corps
of Engineers**
Omaha District

PUBLIC NOTICE

Application No: 199840159
Applicant: Federal Highway Administration
Waterway: Beartooth Creek
Issue Date: September 12, 2003
Expiration Date: October 12, 2003

30 DAY NOTICE

Wyoming Regulatory Office 2232 Dell Range Blvd., Suite 210 Cheyenne, Wyoming 82009

**JOINT NOTICE OF PERMIT PENDING
U.S. ARMY CORPS OF ENGINEERS
AND
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**

The application of the Federal Highway Administration (FHWA), 555 Zang Street, Room 259, Lakewood, Colorado, 80228, is being considered by the District Engineer, U.S. Army Corps of Engineers, Omaha, Nebraska, for approval of plans and issuance of a permit under the authority of the Secretary of the Army.

The applicant is proposing to discharge dredge and fill material into 4.8 acres of emergent and scrub-shrub wetlands, 0.1 acres of lake open water, and 1,991 lineal feet of streams associated with the reconstruction of a portion of the Beartooth Highway (US 212 and Wyoming Forest Highway 4). The basic project purpose is road reconstruction. There are three components to the overall project purpose. These include: providing an efficient transportation link from the Wyoming-Montana to Clay Butte Overlook that safely accommodates projected traffic levels through 2025; providing a roadway that can reasonably be maintained in a sustainable manner; and, supporting the Shoshone National Forest's (SNF) management of Forest lands adjacent to the road.

The Corps has participated with the FHWA, SNF, National Park Service (NPS), and U.S. Fish and Wildlife Service (FWS) as a cooperating agency associated with the formulation of an Environmental Impact Statement (EIS) for the project. An on-site delineation of wetlands and other waters of the U.S. has been completed on the project corridor and field verified by the Corps. An approved jurisdictional determination was issued by the Corps to the applicant October 19, 2001. The Corps also participated in multiple public meetings held July, 2002 relative to comments on the draft EIS.

The application contains a detailed alternatives analysis relative to road alignment and realignment, pull out locations, construction techniques (use of retaining walls, paved ditches, etc.), utilization of previously disturbed sites, and reduced shoulder and slope widths as well as design criteria exceptions to avoid sensitive aquatic and non-aquatic resources. The applicant has concluded that they have applied for the least damaging practicable alternative (identified as alternative 6 in the draft EIS). A copy of the 404b1 assessment can be obtained upon request.

FHWA has submitted a conceptual mitigation plan for impacts to aquatic resources. Mitigation proposed consists of restoring 2.7 acres of wetlands on-site. These areas involve removal of road fill material from wetlands that were impacted by initial road construction, mainly in the area of the Top of the World Store where the road will be realigned. Mitigation also includes the restoration of approximately 0.4 acres of fen wetland at the Little Bear Lake fen. They also propose to create 0.9 acres of wetlands at scattered locations along the project corridor. An assessment of likely success was conducted to determine what sites were to be targeted for wetland creation while minimizing impacts to native plant communities. After an evaluation of identifying other wetland restoration and creation sites, the applicant evaluated sites for preservation and protection. The applicant-preferred site contains wetlands, waters of the U.S., riparian areas and uplands and is in a watershed that feeds into Yellowstone National Park. The tract is subdivided and contains a historic road. In addition, wetland areas temporarily impacted from construction activities will also be reclaimed.

The highway project is located in Park County, Wyoming.

The Wyoming Department of Environmental Quality, Water Quality Division, Herschler Building, 122 West 25th Street, Cheyenne, Wyoming 82002, will review this proposed project with an intent to certify in accordance with provisions of Section 401 of the Clean Water Act. The certification, if issued, will express the state's opinion that the operations undertaken by the provisions of this project will not result in a violation of applicable water quality standards. The Wyoming Department of Environmental Quality hereby incorporates this public notice as its own public notice and procedures by reference thereto.

The Omaha District will comply with the National Historic Preservation Act of 1966 and 36 CFR 800. The Corps views the Federal Highway Administration as the lead Federal agency for the proposal and is responsible to ensure compliance with the NHPA of 1966. Surveys have been conducted and consultation is occurring between the lead agency and the State Historic Preservation Officer (SHPO). Six cultural resources determined eligible for listing on the National Register of Historic Places were identified in the project area. These will be impacted by the proposed project. A memorandum of agreement is being developed by FHWA with the SHPO and is to include a plan to mitigate the adverse effects of the project. We will evaluate any additional input by the State Historic Preservation Officer and the public in response to this public notice.

The Omaha District will comply with the requirements of the Endangered Species Act (ESA). The Corps also views the FHWA as the lead Federal agency for the proposal to ensure compliance with the ESA. The FWS has been a cooperating agency associated with the formulation of the EIS. FWS has identified 3 federally listed threatened or endangered species (Grizzly Bear, Canada Lynx, and Bald Eagle), one non-essential experimental species population (Rocky Mountain Gray Wolf), and two candidate species (Arctic Grayling and Western Boreal Toad) as having habitat in the project area. The FHWA has submitted a biological assessment to FWS. The project is not likely to adversely affect the lynx or bald eagle, and is not likely to jeopardize the gray wolf. Mitigation and conservation measures suggested by the Service during informal consultation have been incorporated into the proposal. The Corps will evaluate any additional input from the U.S. Fish and Wildlife Service and the public in response to this notice.

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposed activity must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. In addition, the evaluation of the impacts of the work on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404 (b) of the Clean Water Act (40 C.F.R.; Part 230).

The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, condition or deny a permit for the proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental affects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

Any person may request, in writing and within the comment period specified in this notice, that a public hearing be held for the purpose of gathering additional information. Requests for public hearings must be identified as such and shall state specifically the reasons for holding a public hearing and shall identify what additional information would be obtained. The request must be submitted to the Corps of Engineers, Regulatory Office, 2232 Dell Range Boulevard, Suite 210, Cheyenne, Wyoming, 82009.

Any interested party (particularly officials of any town, county, state, federal agency, or local association whose interests may be affected by the work) is invited to submit to this office written facts, arguments, or objections on or before the expiration date of this notice. Any agency or individual having an objection to the work should specifically identify it as an objection with clear and specific reasons. Comments, both favorable and unfavorable, will be accepted, made a part of the record and will receive full consideration in subsequent actions on this application. All replies to the public notice should be addressed to the address listed in the previous paragraph. Chandler Peter, telephone number (307) 772-2300, may be contacted for additional information.

Comments received after the close of business on the expiration date of this public notice will not be considered. A permit, if issued, will be under the provisions of Section 404 of the Clean Water Act. Drawings depicting the project are attached to this notice.

Public Notices issued by the Wyoming Regulatory Office can also be obtained by visiting its web site at <http://www.now.usace.army.mil/html/od-rwy/Wyoming.htm>

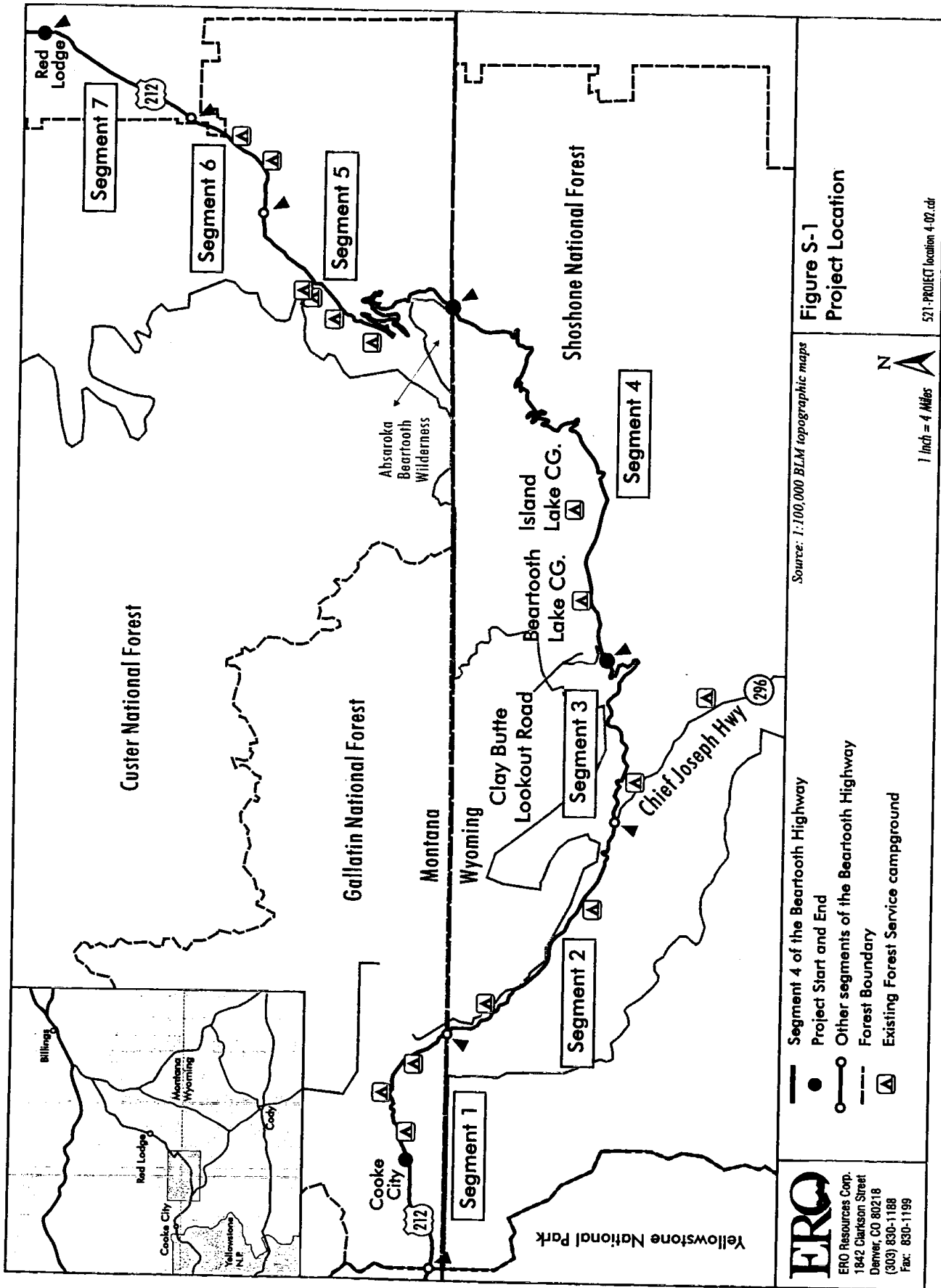


Table 6. Descriptive information on study area wetlands.

Wetland ID	Jurisdiction	Notes	Cowardin Classification		Area Impacted	
			System	Class	m ²	Ac.
39.1	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
39.2	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
39.3	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	8.45	<0.01
40.1	Jurisdictional	Impacts avoided	Palustrine	Forested	0.00	0.00
40.2	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
40.3	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	49.78	0.01
40.4	Jurisdictional	Impacts minimized	Palustrine	Emergent	333.36	0.08
40.4rd	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	88.06	0.02
40.5	Jurisdictional	Impacts minimized	Palustrine	Forested	166.30	0.04
40.6	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	23.31	<0.01
40.7	Jurisdictional	Impacts minimized	Palustrine	Emergent	60.56	0.01
40.8	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	27.06	<0.01
40.9rd	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	257.74	0.06
41.1	Jurisdictional	Impacts minimized	Palustrine	Forested	179.22	0.04
41.2	Jurisdictional	Impacts minimized	Palustrine	Forested	79.47	0.02
41.3	Nonjurisdictional	Impacts avoided	Palustrine	Forested	0.00	0.00
41.4	Nonjurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	84.62	0.02
41.5	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
41.6	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
41.7	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
42.1	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	252.71	0.06
42.11	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	54.59	0.01
42.2	Jurisdictional	Impacts minimized	Palustrine	Forested	1,521.85	0.38
42.3	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
42.5	Jurisdictional	Impacts minimized	Palustrine	Emergent	32.70	<0.01
42.6	Jurisdictional	Impacts minimized	Palustrine	Emergent	7.36	<0.01
42.8	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	6.42	<0.01
43.1	Nonjurisdictional	Impacts avoided	Palustrine	Forested	0.00	0.00
43.2	Nonjurisdictional	Impacts minimized	Palustrine	Forested	295.71	0.07
43.3	Nonjurisdictional	Impacts minimized	Palustrine	Forested	14.67	<0.01
43.4	Jurisdictional	Impacts minimized	Palustrine	Forested	44.83	0.01
43.5	Jurisdictional	Impacts minimized	Palustrine	Emergent	7.06	<0.01
43.6	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	9.87	<0.01
44.1	Jurisdictional	Impacts avoided	Palustrine	Forested	0.00	0.00
44.10	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	63.08	0.02
44.11rd	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	22.86	<0.01
44.3	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
44.4	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00

Wetland ID	Jurisdiction	Notes	Cowardin Classification		Area Impacted	
			System	Class	m ²	Ac.
44.5	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
44.6	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	29.65	<0.01
44.7	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
44.8	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	26.98	<0.01
44.9	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	325.86	0.08
45.1	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
45.10	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
45.12	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
45.13	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
45.14	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
45.2	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	2,615.76	0.65
45.3	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
45.4	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
45.5	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	5.39	<0.01
45.8	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	659.79	0.16
45.9	Jurisdictional	Impacts minimized	Palustrine	Emergent	227.02	0.06
46.11	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
46.12	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
46.13	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
46.3	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	17.14	<0.01
46.6	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
46.8	Nonjurisdictional	Impacts avoided	Palustrine	Forested	0.00	0.00
46.9	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	1,362.34	0.34
47.1	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	206.34	0.05
47.2	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	302.31	0.07
47.3	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
47.4	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
47.5	Jurisdictional	Impacts minimized	Palustrine	Emergent	1,825.15	0.45
47.6	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
47.7	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
48.1	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	102.81	0.03
48.2	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
48.3	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	55.44	0.01
48.4	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
49.1	Jurisdictional	Impacts minimized	Palustrine	Emergent	126.05	0.03
49.2	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	217.90	0.05
49.3	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
50.1	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
50.10	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	336.48	0.08

Wetland ID	Jurisdiction	Notes	Cowardin Classification		Area Impacted	
			System	Class	m ²	Ac.
50.13	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	193.29	0.05
50.14	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
50.15	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	28.92	<0.01
50.2	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	2.27	<0.01
50.3	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
50.4	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	331.25	0.08
50.5	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	211.04	0.05
50.7	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	264.26	0.07
51.1	Jurisdictional	Impacts minimized	Palustrine	Emergent	56.97	0.01
51.10	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	20.32	<0.01
51.11	Nonjurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	18.60	<0.01
51.12	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	11.38	<0.01
51.13	Nonjurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	1,521.35	0.38
51.14	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	461.51	0.11
51.15	Nonjurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	80.02	0.02
51.2	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	58.21	0.01
51.3	Jurisdictional	Impacts minimized	Palustrine	Emergent	25.69	<0.01
51.4	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
51.5	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
51.6	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	332.66	0.08
51.8	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
51.9	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	224.32	0.06
52.1	Jurisdictional	Impacts minimized	Palustrine	Emergent	194.67	0.05
52.1	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
52.11	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	39.44	<0.01
52.12	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
52.13	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	28.85	<0.01
52.14	Jurisdictional	Impacts minimized	Palustrine	Emergent	39.63	<0.01
52.15	Jurisdictional	Impacts minimized	Palustrine	Emergent	64.57	0.02
52.16	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
52.17	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
52.18rd	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	26.44	<0.01
52.2	Jurisdictional	Impacts minimized	Palustrine	Emergent	68.89	0.02
52.3	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	253.17	0.06
52.5	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0.00	0.00
52.6	Jurisdictional	Impacts minimized	Palustrine	Emergent	11.76	<0.01
52.8	Jurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
52.9	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0.00	0.00
53.1	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	121.29	0.03

Wetland ID	Jurisdiction	Notes	Cowardin Classification		Area Impacted	
			System	Class	m ²	Ac.
53.2	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	432	0.11
53.4	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
53.6	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
53.7	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
53.9	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
54.1	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
54.2	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
54.3	Jurisdictional	Impacts minimized	Palustrine	Emergent	253	0.06
55.1	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	508	0.13
55.2	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	207	0.05
55.3	Jurisdictional	Impacts minimized	Palustrine	Emergent	477	0.12
55.4	Jurisdictional	Impacts minimized	Palustrine	Emergent	37	<0.01
55.5	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	4	<0.01
56.1	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	601	0.15
56.2	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
56.3	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	14	<0.01
56.5	Jurisdictional	Impacts minimized	Palustrine	Emergent	47	0.01
57.1	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
57.2	Jurisdictional	Impacts minimized	Palustrine	Emergent	40	<0.01
57.4	Jurisdictional	Impacts minimized	Palustrine	Emergent	1,085	0.27
57.5	Jurisdictional	Impacts minimized	Palustrine	Emergent	48	0.01
57.6	Jurisdictional	Impacts minimized	Palustrine	Emergent	105	0.03
57.7	Jurisdictional	Impacts minimized	Palustrine	Emergent	331	0.08
58.1	Jurisdictional	Impacts minimized	Palustrine	Emergent	178	0.04
58.2	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	66	0.02
58.3	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
58.4	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
58.5	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
58.6	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
58.7	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
58.8	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
58.9	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	114	0.03
60.1	Jurisdictional	Impacts minimized	Palustrine	Emergent	544	0.13
60.2	Jurisdictional	Impacts minimized	Palustrine	Emergent	77	0.02
60.3	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	2	<0.01
60.4	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
62.1	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
62.2	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
62.3	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00

Wetland ID	Jurisdiction	Notes	Cowardin Classification		Area Impacted	
			System	Class	m ²	Ac.
62.4	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
63.1	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
63.10	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	41	0.01
63.11	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	457	0.11
63.12	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
63.2	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	76	0.02
63.3	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
63.4	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	339	0.08
63.5	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	609	0.15
63.6	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	350	0.09
63.7	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	134	0.03
63.8	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
63.9	Nonjurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	140	0.03
66.1	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
66.10	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
66.11	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
66.12rd	Nonjurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	<0.01	<0.01
66.13	Nonjurisdictional	Impacts minimized	Palustrine	Emergent	278	0.07
66.2	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
66.3	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
66.4	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
66.6	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	451	0.11
66.8	Jurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	226	0.06
66.9	Nonjurisdictional	Impacts minimized	Palustrine	Scrub/Shrub	554	0.14
68.1	Jurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00
68.2	Nonjurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
69.1	Jurisdictional	Impacts avoided	Palustrine	Scrub/Shrub	0	0.00
69.2	Nonjurisdictional	Impacts avoided	Palustrine	Emergent	0	0.00

Table 7. Descriptive information on study area fens.

Wetland ID	Jurisdiction	Fen ² (%)	Cowardin Classification		Area Impacted	
			System	Class	m ²	Ac.
f40.3	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
fc42.2a	Jurisdictional	60%	Palustrine	Emergent	0	0.00
fc42.2b	Jurisdictional	70%	Palustrine	Forested	0	0.00
f45.2	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
fc45.2a	Jurisdictional	75%	Palustrine	Scrub/Shrub	0	0.00
fc45.2b	Jurisdictional	70%	Palustrine	Scrub/Shrub	0	0.00
fc45.2c	Jurisdictional	70%	Palustrine	Scrub/Shrub	0	0.00
f45.8	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
fc45.8a	Jurisdictional	60%	Palustrine	Scrub/Shrub	0	0.00
fc45.8b	Jurisdictional	60%	Palustrine	Scrub/Shrub	0	0.00
f46.9	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
f47.7	Nonjurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
f49.1	Jurisdictional	100%	Palustrine	Emergent	0	0.00
f49.2	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
f49.3a	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
f49.3b	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
fc50.7	Jurisdictional	70%	Palustrine	Scrub/Shrub	0	0.00
f50.9	Jurisdictional	100%	Palustrine	Emergent	0	0.00
f51.4	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00
fc53.4a	Jurisdictional	90%	Palustrine	Emergent	0	0.00
fc53.4b	Jurisdictional	90%	Palustrine	Emergent	0	0.00
fc60.1	Jurisdictional	65%	Palustrine	Emergent	0	0.00
fc60.2	Jurisdictional	65%	Palustrine	Scrub/Shrub	0	0.00
fc66.2a	Jurisdictional	80%	Palustrine	Emergent	0	0.00
fc66.2b	Nonjurisdictional	80%	Palustrine	Emergent	0	0.00
fc66.2c	Nonjurisdictional	80%	Palustrine	Emergent	0	0.00
fc66.6	Nonjurisdictional	90%	Palustrine	Emergent	0	0.00
fc66.7	Jurisdictional	70%	Palustrine	Emergent	0	0.00
fc66.8	Nonjurisdictional	65%	Palustrine	Scrub/Shrub	0	0.00
f66.9	Jurisdictional	100%	Palustrine	Scrub/Shrub	0	0.00